

EN4HDMI



2/4-Channel MPEG-2/H.264 HD HDMI Encoding Module



OVERVIEW

EN4HDMI is a multi-channel HD/SD encoding module that compresses programs from HDMI inputs into H.264 HD / SD or MPEG-2 SD streams.

With efficient video codecs and AAC/AC-3 audio options, EN4HDMI provides excellent video quality while using minimal bandwidth, making it the ideal choice for various content delivery applications.

KEY FEATURES

- Video encoding to H.264 HD/SD or MPEG-2 SD
- Up to 4 encoded programs via HDMI inputs
- MPEG2, AC-3 and AAC audio support
- Platform-based Modular Design

ORDERING INFORMATION

| Model | Description |
|---------------------------|--|
| WAV-DMPSMP-EN4HDMI-2M2A00 | 2CH MPEG-2/4 HD HDMI encoding module (MPEG1L2 audio supported) |
| WAV-DMPSMP-EN4HDMI-2M2A01 | 2CH MPEG-2/4 HD HDMI encoding module (MPEG1L2/AC3/AAC audio supported) |
| WAV-DMPSMP-EN4HDMI-4M2A00 | 4CH MPEG-2/4 HD HDMI encoding module (MPEG1L2 audio supported) |
| WAV-DMPSMP-EN4HDMI-4M2A01 | 4CH MPEG-2/4 HD HDMI encoding module (MPEG1L2/AC3/AAC audio supported) |
| WAV-DMPSMP-EN4HDMI-AC3 | AC3 License for EN4HDMI-xM2A01 (One per Audio Pair) |
| WAV-DMPSMP-EN4HDMI-AAC | AAC License for EN4HDMI-xM2A01 (One per Audio Pair) |
| WAV-SMP100-CHASSIS | Chassis (1RU, embedded MUX and IP/ASI, 3 x slots) |
| WAV-DMP900-CHASSIS | Chassis (1RU, embedded MUX, 6 x slots, Dual PSU, hot-swappable) |



SPECIFICATIONS

2/4-Channel MPEG-2/H.264 HD HDMI Encoding Module

CHANNELS

| | |
|--------|--|
| Video: | 4 channels of HD/SD programs (EN4HDMI-4M2Axx) 2 channels of HD/SD programs (EN4HDMI-2M2Axx) |
| Audio: | 4 pairs of audio (EN4HDMI-4M2Axx) 2 pairs of audio (EN4HDMI-2M2Axx) |

INPUT

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|------------|---|
| Interface: | 4 x HDMI physical ports (1.4) 4 ports available (EN4HDMI-4M2Axx) 2 ports available (EN4HDMI-2M2Axx) |
|------------|---|

OUTPUT/ENCODING

| | |
|----------------------------|---|
| H.264/AVC Profile (4:2:0): | SD: MP/HP@L3.0/3.1/3.2 HD: MP/HP@L4.0/4.1/4.2 |
| MPEG-2 Profile (4:2:0): | SD: MP@ML |
| Resolution: | 1920 x 1080@25p, 30p, 50i, 60i 1280 x 720@50p, 60p 720 x 576@50i 720 x 480@60i |
| Rescaling: | HD to SD down conversion |
| Video Bit-rate: | MPEG-2: 1Mbps ~ 14 Mbps H.264: 1Mbps ~ 20 Mbps |
| Rate Control: | CBR & VBR |
| GOP Control: | Support |
| Aspect Ratio: | Automatic Manual: 4:3 or 16:9 (future option) |
| Aspect Processing: | Letterbox/Cropped (future option) |

AUDIO ENCODING

| | |
|------------------------|--|
| Audio Codecs: | MPEG-1 Layer II AC-3 AAC (LC/HE) |
| Audio Bit-rate: | MPEG-1 LayerII: 64 - 384 kbps AC-3: 32 - 504 kbps AAC: 32 - 504 kbps |
| Audio Mode: | Stereo (2.0, including down-mix) |
| Audio Sampling Rate: | 48kHz |
| Audio Volume Leveling: | 0-8dB |